

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1-18 (Cancelled)

19. (New) A method of decreasing expression of one or more inflammatory cytokines, selected from the group of IFN- $\gamma$  and IL-6, in a mammalian patient, said method comprising:

selecting a patient with an excess of inflammatory cytokines;  
withdrawing an aliquot of blood comprising blood cells from said patient;  
subjecting said blood cells extracorporeally to stress comprising both an oxidative condition and an ultraviolet stressor simultaneously;  
administering to said patient an effective amount of stressed mammalian blood cells, wherein the expression of one or more inflammatory cytokines in said patient is decreased.

20. (New) The method of Claim 19, wherein the oxidative condition comprises bubbling a gaseous mixture of medical grade oxygen and ozone through the blood, for a period of from about 0.5 minutes to about 60 minutes.

21. (New) The method of Claim 20, wherein the gaseous mixture has an ozone content of from about 0.1 to about 100  $\mu\text{g/mL}$ .

22. (New) The method of Claim 19, wherein the ultraviolet stressor is UV-C radiation.

23. (New) The method of Claim 19, wherein the blood cells further are subjected extracorporeally to a heat stressor simultaneously with subjection to both an oxidative condition and an ultraviolet stressor.

24. (New) The method of Claim 23, wherein the heat stressor is a temperature in the range of from about 40 to about 55°C.

25. (New) The method of Claim 24, wherein the stressed mammalian blood cells comprise a volume of whole blood of from about 0.1 to about 400 mLs.